

Case 242 : Narrative

Case Vehicle (A): 2000 Dodge	Vehicle (B): 1998 Chevrolet
Type: Caravan, minivan	Type: Cavalier, 2-door coupe
Driver: 29-year-old male	Driver: 53-year-old male
CDC: 12-FLEW-3, 10-LDEW-3	CDC: 99-0000-0, 99-0000-00

SITUATION

[1](#) [2](#) Case vehicle (A) was traveling south in the outside southbound lane of a straight section of a four-lane asphalt roadway, with a speed limit of 89 kph (55 mph). Vehicle (B) was traveling north in the outside northbound lane of the same roadway. It was daylight, cold, and raining, and the roadway was covered with slush. The driver of vehicle (B) lost control and vehicle (B) began to rotate counterclockwise. Vehicle (B) crossed the centerline and the inside southbound lane before entering the path of case vehicle (A). Case vehicle (A) struck the right side of vehicle (B) with its left front. The impact caused vehicle (B) to continue to rotate counterclockwise, and strike the left side of case vehicle (A) with its right side. Both vehicles were towed due to damage. The four occupants of case vehicle (A) and the driver of vehicle (B) were transported to a local hospital.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[3](#) Damage to case vehicle (A) was severe. [4](#) The direct damage from the frontal impact began at the left-front bumper corner and extended 53 cm inboard to a point just right of the left headlight assembly, resulting in 35-percent vehicle overlap. [5](#) The maximum

crush was 45 cm and occurred at the left-front bumper corner. The left wheelbase was reduced 14 cm, but there was no significant change in the right wheelbase.

[6](#) The direct damage from the left-side impact began at the lower portion of the left A-pillar and extended 251 cm rearward to the rear portion of the left-rear wheelwell. The maximum crush was 28 cm and occurred at the left B-pillar.

Using the WinSMASH accident-reconstruction program and [7](#) [8](#) c-values for case vehicle (A), the following impact severity was calculated for the frontal impact:

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	39 (24)	-39 (-24)	0 (0)

Using the WinSMASH accident-reconstruction program and c-values for case vehicle (A), the following impact severity was calculated for the left-side impact:

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	21 (13)	-7 (-5)	20 (13)

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

[9](#) [10](#) In the front, the left portion of the front bumper, the left headlight assembly, and the hood were damaged. The hood latch was damaged and jammed closed. Both hood hinges were deformed, but not separated. The rear edge of the hood was elevated, but it did not contact the damaged windshield. The left portion of the windshield was cracked due to cowl and left A-pillar movement, and 16% of the windshield bond was separated.

[11](#) [12](#) On the left side, the left-front wheel was driven rearward 14 cm, the rim was severely deformed, the left-front tire sustained sidewall damage, and the tire was off the rim. Left-side damage from the second impact included the left fender, the left A-pillar, the left-front door, the left B-pillar, the left quarter panel, and left upper C-pillar. The left A-pillar was crushed rearward and laterally causing the left-front windshield header and roof siderail to buckle upward. The left front door was jammed shut and all of the left-side glazing was disintegrated. [13](#) The left-rear wheel rim was slightly deformed but the tire remained inflated.

[14](#) There was no damage on the rear plane or to the right side of the case vehicle. Both right doors and the rear hatch remained closed and operational.

Interior

[15](#) [16](#) [17](#) [18](#) This vehicle was equipped with both steering-wheel and passenger frontal-impact airbags, which deployed during the frontal impact. [19](#) [20](#) [21](#) [22](#) No damage was noted to the airbag skins or module doors/flaps. [23](#) [24](#) The top half of the steering wheel was deflected forward 8 cm and the steering column was rotated to the right. [25](#) [26](#) [27](#) The upper instrument panel, the climate control vents, and the glove-box door were deformed by the intruding cowl. [28](#) [29](#) The upper trim of the left A-pillar was dislodged due to external A-pillar movement, but no occupant contact marks were noted on the trim. [30](#) The left interior door panel was deformed due to external door buckling.

[31](#) [32](#) [33](#) [34](#) No damage or occupant contacts were noted on the windshield header/sunvisors or roof-mounted console. [35](#) The roof above the driver seat and portions of the left instrument panel were stained by a liquid that appeared to be from a soft drink. [36](#) The right side of the driver knee bolster was deformed.

[37](#) [38](#) [39](#) [40](#) [41](#) In the second seating row, the left interior side panel, including the integral armrest, was damaged due to the intruding left-side panel. All of the left-side glass was shattered. The second-left rear seatback and cushion were deformed laterally by the intruding side panel and the seatback was deformed toward the front of the vehicle from loading by the unbelted third-seat occupant.

[42](#) In the third seating row, the left interior side panel, including the integral armrest, was damaged due to the intruding left-side panel. The second-left rear seatback, directly in front of the third-left seat, was deformed by loading from the unbelted third seat occupant.

[43](#) [44](#) [45](#) [46](#) [47](#) [48](#) The following intrusions were noted and measured:

Location	Component	Distance (cm)	Direction
left front	toe pan below left knee strike	21	to rear
	instrument panel	15	to rear
	upper A-pillar @ the base	17	to rear
left rear	interior side panel	14	to right

OCCUPANT INJURIES AND KINEMATICS

[49](#) The 6-ft, 0-in, 150-lb, 29-year-old male driver was wearing the available three-point belt, as indicated by a webbing imprint on the plastic D-ring, and the steering-wheel airbag deployed. During the frontal impact, the driver moved forward and slightly to the left relative to the vehicle interior into the belt restraint and airbag. No contact marks were noted on the airbag cover/flaps.

The driver sustained a contusion to the left side of the chest, probably from loading by the shoulder belt. He sustained a contusion to the left elbow, possibly from contact with the interior door panel. He also sustained a puncture-type laceration to the lower-right

leg, probably from flying glass, as indicated by the fact that glass was found in the wound. [50 51](#) He sustained a comminuted midshaft fracture of the right tibia and fibula, probably from contact by the foot controls or toepan. [52 53](#) The vertical console was apparently contacted but no injury could be associated with this contact.

[54 55](#) The 5-ft, 8-in, 155-lb, 32-year-old female right-front passenger was wearing the available three-point belt, as indicated by a webbing imprint on the plastic D-ring, and the passenger frontal-impact airbag deployed. No contact marks were noted on the airbag cover/flaps. On the initial frontal impact, the right-front passenger moved forward and slightly to the left relative to the vehicle interior into the belt restraint and passenger frontal-impact airbag.

She sustained a brief loss of consciousness, probably due to impact forces, but possibly from contact by the airbag. Medical records indicate that she presented no neurological deficits when treated at the hospital. [56](#) She sustained abrasions and contusions to both knees, probably from contact with the glove-box door.

[57](#) The 2-ft, 0-in, 30-lb, three-year-old female, second-seat, left-side passenger was reportedly restrained in a child-safety-seat that was secured by the available three-point belt, as indicated by a webbing imprint on the plastic D-ring. The police report did not indicate whether she was injured, and there was no record of treatment at the hospital.

[58](#) The 4-ft, 2-in, 70-lb, 9-year-old female, third-seat, left-side passenger was not wearing the available three-point belt. [59 60](#) During the frontal impact, she moved forward and slightly to the left into the rear surface of the second-left seatback, as evidenced by a deformed seatback. She sustained police reported "A" injuries, but no record of treatment was found at the treating hospital.

The following tables and [61 62 63 64](#) attached drawings summarize the injuries sustained by the driver, right-front, second-left and third-left passengers.

Occupant: Driver	Age: 29 years	Gender: Male		
Restraints: 3-point belt worn; airbag deployed	Stature: 183 cm (6 ft, 0 in)	Mass: 68 kg (150 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Contusion, left side of chest	1	—	Shoulder belt	—
Contusion, left elbow	1	—	—	Interior door surface
Laceration, left leg	1	—	Flying glass	—
Fracture, comminuted to midshaft of right tibia	3	—	Toepan/ Foot controls	—
Fracture, right midshaft of fibula	2	—	Toepan/ Foot controls	—
Maximum A.I.S. Level	3	—	—	—
Injury Severity Score	10	—	—	—

Occupant: Right front	Age: 32 years	Gender: Female		
Restraints: 3-point belt worn; airbag deployed	Stature: 173 cm (5 ft, 8 in)	Mass: 70 kg (155 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Loss of consciousness < 1 hour	2	—	Impact forces	Airbag
Abrasions, both knees	1	—	Glove-box door	—
Contusions, both knees	1	—	Glove-box door	—
Maximum A.I.S. Level	2	—	—	—
Injury Severity Score	5	—	—	—

Occupant: Second left	Age: 3 years	Gender: Female		
Restraints: Restrained in child safety seat, secured by vehicle 3-point belt	Stature: 61 cm (2 ft, 0 in)	Mass: 14 kg (30 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
Unknown if injured	9	—	—	—
Maximum A.I.S. Level	9	—	—	—
Injury Severity Score	99	—	—	—

Occupant: Third left	Age: 9 years	Gender: Female		
Restraints: None used	Stature: 127 cm (4 ft, 2 in)	Mass: 32 kg (70 lb)		
Injury Description	A.I.S.	Injury Source		
—	—	Definite	Probable	Possible
"A" injuries per police report, details unknown	7	—	—	—
Maximum A.I.S. Level	7	—	—	—
Injury Severity Score	99	—	—	—

CASE NO.: 242-01

CASE VEHICLE: 2000 Dodge

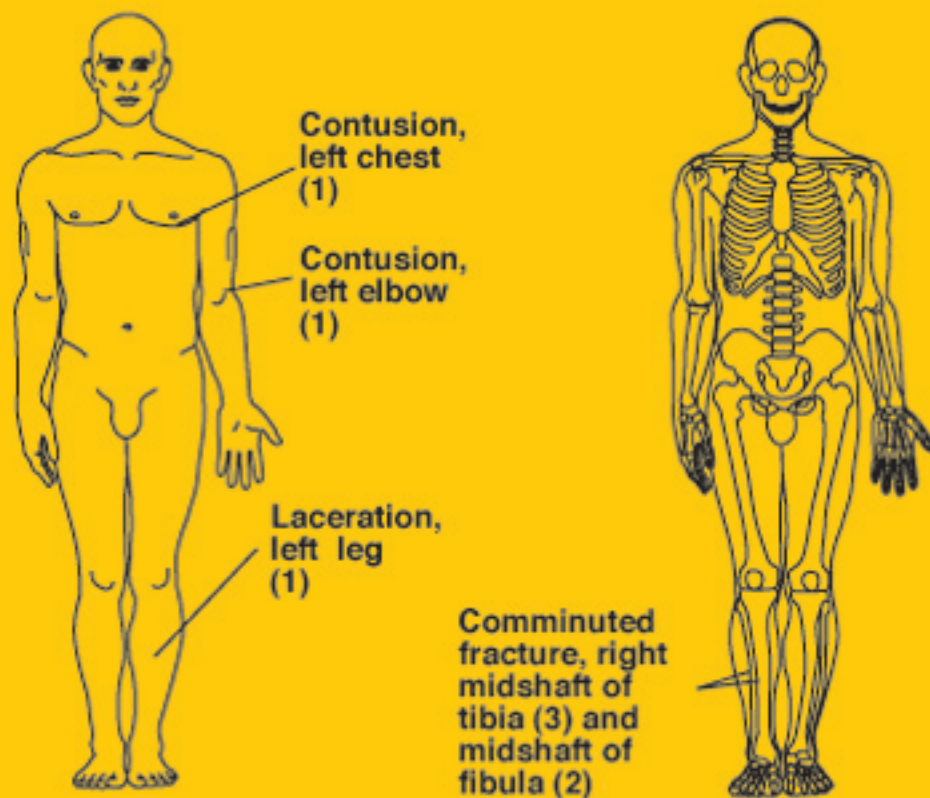
TYPE: Caravan, minivan

OCCUPANT: (Driver): 29-year-old male

STATURE: 183 cm (6 ft, 0 in) MASS: 68 kg (150 lb)

RESTRAINTS: 3-point belt worn; airbag deployed

SEVERITY: MAIS - 3 ISS - 10



CASE NO.: 242-01

CASE VEHICLE: 2000 Dodge

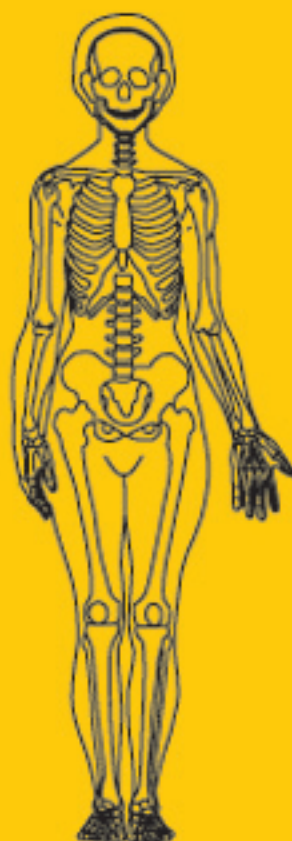
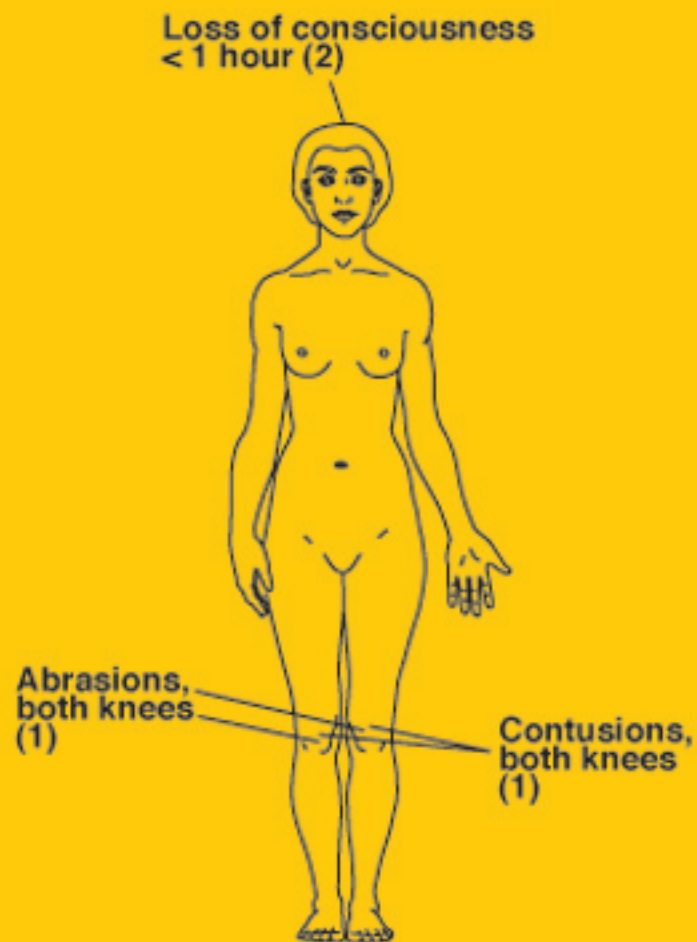
TYPE: Caravan, minivan

OCCUPANT: (Right front): 32-year-old female

STATURE: 173 cm (5 ft, 8 in) MASS: 70 kg (155 lb)

RESTRAINTS: 3-point belt worn; airbag deployed

SEVERITY: MAIS - 2 : ISS - 5



CASE NO.: 242-01

CASE VEHICLE: 2000 Dodge

TYPE: Caravan, minivan

OCCUPANT: (Second left): 3-year-old female

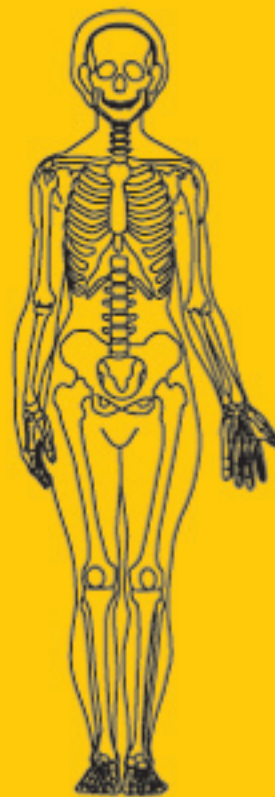
STATURE: 61 cm (2 ft, 0 in) MASS: 14 kg (30 lb)

RESTRAINTS: Child safety seat used, secured by
3-point belt

SEVERITY: MAIS - 9 ISS - 99



Unknown
if injured



CASE NO.: 242-01

CASE VEHICLE: 2000 Dodge

TYPE: Caravan, minivan

OCCUPANT: (Third left): 9-year-old female

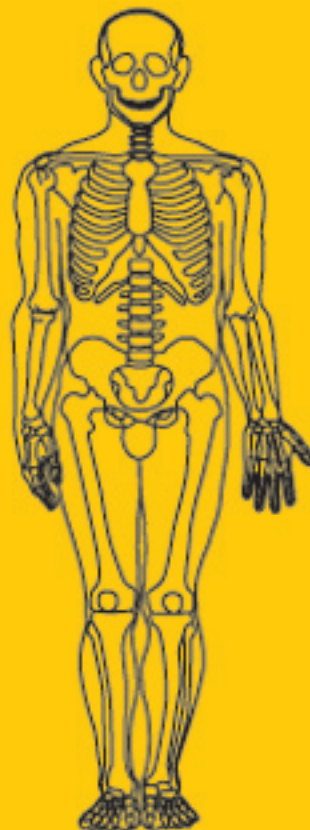
STATURE: 127 cm (4 ft, 2 in) MASS: 32 kg (70 lb)

RESTRAINTS: 3-point belt not worn

SEVERITY: MAIS - 7 : ISS - 99



"A" injuries per police;
details unknown



Veh. (B): 1998 Chevrolet Cavalier, 2-door coupe

Road Construction: **Asphalt**



The diagram shows a sequence of nodes B1, B2, B3, B4, and B6, which are blue rectangles with a white triangle pointing right. B1 is on the left, and B2, B3, B4, and B6 are arranged in a diagonal line from bottom-left to top-right. B1 points to B2, B2 to B3, B3 to B4, and B4 to B6. To the right of B6 are two red rectangles, A1 and A2, with white triangles pointing left. A1 points to A2, and A2 points to B6.

Vehicle Report

General

Conditions

Variable Number and Name	Code Value	Code Description	Other Options
V206 — Urban/Rural Area	2	Rural	more
V207 — Limited Access Highway	0	No	more
V208 — Road Total Lanes	4	4 lanes or more	more
V209 — Intersecting Road Total Lanes	8	Not applicable	more
V210 — Road Surface Type	1	Asphalt	more
V211 — Road Defects	0	No	more
V212 — Construction Zone	0	No	more
V213 — Road Alignment Vertical Plane	3	Slope (2%)	more
V214 — Road Alignment Horizontal Plane	1	Straight	more
V215 — Surface Covering	51	Slush	more
V216 — Visibility Limitation	0	None	more
V217 — Visibility Obstruction	0	None	more
V218 — Speed Limit	6	86-90 km/h .. 55 mph	more
V219 — Precipitation Type	1	Rain	more
V220 — Precipitation Rate	9	Unknown	more
V221 — Temperature	9	Unknown	more
V222 — Crosswind	9	Unknown	more
V223 — Light Conditions	1	Daylight	more
V224 — Mechanical Malfunction Mention	0	No	more
V225 — Case Vehicle and Object	0	No	more
V226 — Case Vehicle Rollover	0	No	more
V227 — Case Vehicle Ran Off Roadway	0	No	more

V228 — Moving Case Vehicle/Contacted Moving Vehicle	1	Yes	more
V229 — Case Vehicle/Contacted Stopped Vehicle	0	No	more
V230 — Stopped Case Vehicle/Contactd Vehicle	0	No	more
V231 — Total Vehicles Hit By Case Vehicle	1	1 vehicle	more
V232 — Any Fire in Crash	0	No	more
V233 — Max Police Severity-PAR	3	A - Incapacitating Injury	more
V234 — Driver Alcohol Involvement	0	Had not been drinking	more
V235 — Driver Alcohol BAC	80	Not tested	more
V236 — Driver Impairment Mention	0	No	more
V237 — Driven/Towed From Scene	2	Towed Due to Damage	more

Other Vehicle

Variable Number and Name	Code Value	Code Description	Other Options
V301 — Other Vehicle VIN	1G1JF12T3W72	—	—
V302 — Other Vehicle Manufacturer/Body Code	11327	—	—
V303 — Other Vehicle Manufacturer	113	Chevrolet	more
V304 — Other Vehicle Body Code	27	Compact 100-104.9 in. wb.	more
V305 — Other Vehicle Make/Model	0118	Cavalier	more
V306 — Other Vehicle Model Year	1998	—	—
V307 — Other Vehicle Mass	001167 kg	—	—
V308 — Other Vehicle Number	0	No separate report	more
V309 — Other Vehicle Number of Occupants	01	—	—
V310 — Other Vehicle Traveling Speed	999	Unknown	more
V311 — Highest Police Injury Severity	3	A - Incapacitating Injury	more
V312 — Other Vehicle Type	27	Compact 100-104.9 in. wb.	more
V313 — Other Vehicle Wheelbase (cm)	264 cm	—	—
V314 — Average Track Width	145 cm	—	—
V315 — Overall Length	459 cm	—	—
V316 — Overall Width (OAW)	174 cm	—	—
V317 — Front Overhang (FOH)	099 cm	—	—
V318 — Rear Overhang (ROH)	097 cm	—	—
V319 — Undeformed End Width (UEW)	999	Unknown	more
V320 — Engine Displacement	2.4 l	—	—
V321 — Engine: Number of Cylinders	04	—	—
V322 — Direct Damage Length (DDL)	999	Unknown	more

V323 — Front-End Overlap % (FEO)	99	Missing or Not applicable	more
V324 — Vehicle Overlap % (VOL)	99	Missing or Not applicable	more

Case Vehicle

General

Variable Number and Name	Code Value	Code Description	Other Options
V401 — VIN	2B4FP25B4YR7	—	—
V402 — Manufacturer/Body Code	13211	—	—
V403 — Vehicle Manufacturer	132	Dodge	more
V404 — Vehicle Body Code	11	—	—
V405 — Make/Model Code	3220	Caravan, Minivan	more
V406 — Model Year	2000	—	—
V407 — Vehicle Mass	001595 kg	—	—
V408 — Odometer Reading	888888	—	—
V409 — Number of Occupants	04	—	—
V410 — Traveling Speed	999	Unknown	more
V411 — Body Type	24	Van (small)	more
V412 — Stolen Vehicle	8	Not currently collected	more
V413 — Body Structure	2	Unitized	more
V414 — Transmission Type	1	Automatic	more
V415 — Transmission Lever Location	3	Column	more
V416 — Steering	1	Power	more
V417 — Brakes	1	Power	more
V418 — Brake Type	3	Disc - all wheels	more
V419 — Brake Anti-lock Device	0	None installed	more
V420 — Air Conditioning in Vehicle	8	Not currently collected	more
V421 — Drive Type	2	Front wheel	more
V422 — Dual Rear Wheels	0	No	more
V423 — Original Restraint System Type	3	Airbag	more

V424 — Equipped With Roll Bar	0	No	more
V425 — Roof Type	1	Solid	more
V426 — Wheelbase	288 cm	—	—
V427 — Anti-lacerative Glass	0	None	more
V428 — Average Track Width	162 cm	—	—
V429 — Overall Length	473 cm	—	—
V430 — Overall Width (OAW)	195 cm	—	—
V431 — Front Overhang	093 cm	—	—
V432 — Rear Overhang	093 cm	—	—
V433 — Undeformed End Width (UEW)	165 cm	—	—
V434 — Engine Displacement	2.4 l	—	—
V435 — Engine: Number of Cylinders	04	—	—
V436 — Direct Damage Length (DDL)	053 cm	—	—
V437 — Front End Overlap % (FEO)	32	—	—
V438 — Vehicle Overlap % (VOL)	35	—	—

Case Vehicle

Damage

Description

Variable Number and Name	Code Value	Code Description	Other Options
V501 — Maximum Crush - Front	045 cm	—	—
V502 — Maximum Crush - Right Side	000 cm	No crush (or less than 1 cm.)	more
V503 — Maximum Crush - Rear	000 cm	No crush (or less than 1 cm.)	more
V504 — Maximum Crush - Left Side	028 cm	—	—
V505 — Maximum Crush - Roof	000 cm	No crush (or less than 1 cm.)	more
V506 — Maximum Crush - Other	000 cm	No crush (or less than 1 cm.)	more
V507 — Are Events In Chronological Order	1	Yes	more
V508 — Event 1 Impact Location	1	On Roadway	more
V509 — Event 1 Impact Configuration	13	FRONT of case veh - SIDE of contacted Vehicle	more
V510 — Event 1 Object/Vehicle Contacted	27	Compact 100-104.9 in. wb.	more
V511 — Event 2 Impact Location	1	—	—
V512 — Event 2 Impact Configuration	23	LEFT of case veh - SIDE of cont veh (no sideswipe)	more
V513 — Event 2 Object/Vehicle Contacted	27	Compact 100-104.9 in. wb.	more
V514 — Event 3 Impact Location	8	No 3rd event	more
V515 — Event 3 Impact Configuration	88	No 3rd event	more
V516 — Event 3 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V517 — Event 4 Impact Location	8	No 4th event	more
V518 — Event 4 Impact Configuration	88	No 4th event	more
V519 — Event 4 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V520 — Event 5 Impact Location	8	No 5th event	more

V521 — Event 5 Impact Configuration	88	No 5th event	more
V522 — Event 5 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V523 — Event 6 Impact Location	8	No 6th event	more
V524 — Event 6 Impact Configuration	88	No 6th event	more
V525 — Event 6 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V526 — Event 7 Impact On Road	8	No 7th event	more
V527 — Event 7 Impact Configuration	88	No 7th event	more
V528 — Event 7 Object/Vehicle Contacted	00	No object/vehicle contacted	more
V529 — Primary CDC Case Vehicle - event Number	1	Event 1	more
V530 — Primary CDC Case Vehicle - impact speed	999	Unknown	more
V531 — Primary CDC Case Vehicle - Estimated By	1	Investigator	more
V532 — Primary CDC Case Vehicle - crush	045	—	—
V533 — Primary CDC Case Vehicle - clock #1	12	12 o'clock	more
V534 — Primary CDC Case Vehicle letter 1 #1	06	F - Front	more
V535 — Primary CDC Case Vehicle letter 2 #1	12	L - Left (Front or Rear)	more
V536 — Primary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	more
V537 — Primary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	more
V538 — Primary CDC Case Vehicle Extent #1	03	Extent 3	more
V539 — Primary CDC Case Vehicle - CDC #1	12FLEW3	—	—
V541 — Primary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V542 — Primary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V543 — Primary CDC Case Vehicle	00	Missing Data/Not applicable	more

letter 3 #2			
V544 — Primary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V545 — Primary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V546 — Primary CDC Case Vehicle - CDC #2	9800000	—	—
V547 — Primary CDC Contacted Vehicle - Impact Speed	999	Unknown	more
V548 — Primary CDC Contacted Vehicle - Estimated By	1	Investigator	more
V549 — Primary CDC Contacted Vehicle -crush	999	Unknown	more
V550 — Primary CDC Contacted Vehicle -clock #1	99	Unknown or no damage	more
V551 — Primary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V552 — Primary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V553 — Primary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V554 — Primary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V555 — Primary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V556 — Primary CDC Contacted Vehicle -CDC #1	9900000	—	—
V558 — Primary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V559 — Primary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V560 — Primary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V561 — Primary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V562 — Primary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V563 — Primary CDC Contacted Vehicle -CDC #2	9800000	—	—

V564 — Secondary CDC Case Vehicle - Event No	8	Not applicable	more
V565 — Secondary CDC Case Vehicle - Impact Speed	999	Unknown	more
V566 — Secondary CDC Case Vehicle - Estimated By	1	—	—
V567 — Secondary CDC Case Vehicle - crush	028	—	—
V568 — Secondary CDC Case Vehicle - clock #1	10	10 o'clock	more
V569 — Secondary CDC Case Vehicle letter 1 #1	12	L - Left Side	more
V570 — Secondary CDC Case Vehicle letter 2 #1	04	D - Distributed (Side or End)	more
V571 — Secondary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	more
V572 — Secondary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	more
V573 — Secondary CDC Case Vehicle Extent #1	03	Extent 3	more
V574 — Secondary CDC Case Vehicle - CDC #1	10LDEW3	—	—
V576 — Secondary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V577 — Secondary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V578 — Secondary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V579 — Secondary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V580 — Secondary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	more
V581 — Secondary CDC Case Vehicle - CDC #2	9800000	—	—
V582 — Secondary CDC Contacted Vehicle - Impact Speed	999	Unknown	more
V583 — Secondary CDC Contacted Vehicle - Estimated By	1	—	—
V584 — Secondary CDC Contacted Vehicle - crush	999	Unknown	more

V585 — Secondary CDC Contacted Vehicle -clock #1	99	Unknown or no damage	more
V586 — Secondary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	more
V587 — Secondary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	more
V588 — Secondary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	more
V589 — Secondary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	more
V590 — Secondary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	more
V591 — Secondary CDC Contacted Vehicle -CDC #1	9900000	—	—
V593 — Secondary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	more
V594 — Secondary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	more
V595 — Secondary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	more
V596 — Secondary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	more
V597 — Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	more
V598 — Secondary CDC Contacted Vehicle -CDC #2	9800000	—	—

Crash Severity

Variable Number and Name	Code Value	Code Description	Other Options
V601 — Case Vehicle Primary Impact Number	1	—	—
V602 — Primary Impact Total Delta-V	999	Unknown	more
V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V	9999	—	—
V604 — Primary Case Vehicle Reconstructed Lateral Delta-V	9999	—	—
V605 — Primary Case Vehicle Reconstructed Crush Energy	9999	—	—
V606 — Primary Impact Case Vehicle - reconstruction	12	Other Vehicle Not Inspected	more
V607 — Primary Case Vehicle Reconstruction Mode	5	Not reconstructed	more
V608 — Primary Contacted Vehicle Reconstructed Total Delta-V	999	Unknown	more
V609 — Primary Contacted Vehicle Reconstructed Longitudinal Delta-V	9999	—	—
V610 — Primary Contacted Vehicle Reconstructed Lateral Delta-V	9999	—	—
V611 — Primary Contacted Vehicle Reconstructed Crush Energy	9999	—	—
V612 — Case Vehicle Secondary Impact Number	2	—	—
V613 — Secondary Case Vehicle Reconstructed Total Delta-V	999	Unknown	more
V614 — Secondary Case Vehicle Reconstructed Longitudinal Delta-V	9999	—	—
V615 — Secondary Case Vehicle Reconstructed Lateral Delta-V	9999	—	—
V616 — Secondary Case Vehicle Reconstructed Crush Energy	9999	—	—
V617 — Secondary Case Vehicle Reconstruction Note	12	Other Vehicle Not Inspected	more
V618 — Secondary Case Vehicle	5	Not reconstructed	more

Reconstruction Mode			
V619 — Secondary Contacted Vehicle Reconstructed Total Delta-V	999	Unknown	more
V620 — Secondary Contacted Vehicle Reconstructed Longitudinal Delta-V	9999	—	—
V621 — Secondary Contacted Vehicle Reconstructed Lateral Delta-V	9999	—	—
V622 — Secondary Contacted Vehicle Reconstructed Crush Energy	9999	—	—
V623 — Case Vehicle Primary Impact Number	1	—	—
V624 — Primary Case Vehicle Reconstructed Total EBS	039 kph	—	—
V625 — Primary Case Vehicle Reconstructed Longitudinal EBS	-039 kph	—	—
V626 — Primary Case Vehicle Reconstructed Lateral EBS	0000 kph	—	—
V627 — Primary Case Vehicle Reconstructed Crush Energy	0118 kJ	—	—
V628 — Primary Case Vehicle Reconstruction Note	21	Reconstructed, low confidence level	more
V629 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V630 — Primary Contacted Vehicle Reconstruction Total EBS	999	Unknown	more
V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS	9999	—	—
V632 — Primary Contacted Vehicle Reconstruction Lateral EBS	9999	—	—
V633 — Primary Contacted Vehicle Reconstruction Crush Energy	9999	—	—
V634 — Case Vehicle Secondary Impact Number	2	—	—
V635 — Secondary Case Vehicle Reconstruction Total EBS	021 kph	—	—
V636 — Secondary Case Vehicle Reconstruction Longitudinal EBS	-007 kph	—	—
V637 — Secondary Case Vehicle Reconstruction Lateral EBS	0020 kph	—	—

V638 — Secondary Case Vehicle Reconstruction Crush Energy	0035 kJ	—	—
V639 — Secondary Case Vehicle Reconstruction Note	21	Reconstructed, low confidence level	more
V640 — Secondary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	more
V641 — Secondary Contacted Vehicle Reconstruction Total EBS	999	Unknown	more
V642 — Secondary Contacted Vehicle Reconstruction Longitudinal EBS	9999	—	—
V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS	9999	—	—
V644 — Secondary Contacted Vehicle Reconstruction Crush Energy	9999	—	—
V645 — Case Vehicle Reconstructed Impact Number	1	—	—
V646 — Case Vehicle Impact 1 Plane	1	Bumper	more
V647 — Case Vehicle Impact 1 Direct Damage Length [DDL]	053 cm	—	—
V648 — Case Vehicle Impact 1 Max Crush	045 cm	—	—
V649 — Case Vehicle Impact 1 Field-L	130 cm	—	—
V650 — Case Vehicle Impact 1 C1	045 cm	—	—
V651 — Case Vehicle Impact 1 C2	032 cm	—	—
V652 — Case Vehicle Impact 1 C3	024 cm	—	—
V653 — Case Vehicle Impact 1 C4	011 cm	—	—
V654 — Case Vehicle Impact 1 C5	000 cm	No Crush	more
V655 — Case Vehicle Impact 1 C6	000 cm	No Crush	more
V656 — Case Vehicle Impact 1 +/- D	-057 cm	—	—
V657 — Case Vehicle Reconstructed Impact Number	2	—	—
V658 — Case Vehicle Impact 2 Plane	3	Sill	more
V659 — Case Vehicle Impact 2 Direct Damage Length [DDL]	251 cm	—	—
V660 — Case Vehicle Impact 2 Max Crush	028 cm	—	—
V661 — Case Vehicle Impact 2 Field-L	999	Unknown	more

V662 — Case Vehicle Impact 2 C1	999	Unknown	more
V663 — Case Vehicle Impact 2 C2	999	Unknown	more
V664 — Case Vehicle Impact 2 C3	999	Unknown	more
V665 — Case Vehicle Impact 2 C4	999	Unknown	more
V666 — Case Vehicle Impact 2 C5	999	Unknown	more
V667 — Case Vehicle Impact 2 C6	999	Unknown	more
V668 — Case Vehicle Impact 2 +/- D	0999 cm	—	—
V669 — Other Vehicle Reconstructed Impact Number	9	Unknown	more
V670 — Other Vehicle Impact 1 Plane	9	Unknown	more
V671 — Other Vehicle Impact 1 Direct Damage Length [DDL]	999	Unknown	more
V672 — Other Vehicle Impact 1 Max Crush	999	Unknown	more
V673 — Other Vehicle Impact 1 Field-L	999	Unknown	more
V674 — Other Vehicle Impact 1 C1	999	Unknown	more
V675 — Other Vehicle Impact 1 C2	999	Unknown	more
V676 — Other Vehicle Impact 1 C3	999	Unknown	more
V677 — Other Vehicle Impact 1 C4	999	Unknown	more
V678 — Other Vehicle Impact 1 C5	999	Unknown	more
V679 — Other Vehicle Impact 1 C6	999	Unknown	more
V680 — Other Vehicle Impact 1 +/- D	9999	—	—
V681 — Other Vehicle Reconstructed Impact Number	9	Unknown	more
V682 — Other Vehicle Impact 2 Plane	9	Unknown	more
V683 — Other Vehicle Impact 2 Direct Damage Length [DDL]	999	Unknown	more
V684 — Other Vehicle Impact 2 Max Crush	999	Unknown	more
V685 — Other Vehicle Impact 2 Field-L	999	Unknown	more
V686 — Other Vehicle Impact 2 C1	999	Unknown	more
V687 — Other Vehicle Impact 2 C2	999	Unknown	more
V688 — Other Vehicle Impact 2 C3	999	Unknown	more

V689 — Other Vehicle Impact 2 C4	999	Unknown	more
V690 — Other Vehicle Impact 2 C5	999	Unknown	more
V691 — Other Vehicle Impact 2 C6	999	Unknown	more
V692 — Other Vehicle Impact 2 +/- D	9999	—	—

Case Vehicle

Tires & Rims

Variable Number and Name	Code Value	Code Description	Other Options
V701 — Left Front Wheel Damaged	1	Yes	more
V702 — Right Front Wheel Damaged	0	No	more
V703 — Right Rear Wheel Damaged	0	No	more
V704 — Left Rear Wheel Damaged	1	Yes	more
V705 — Left Front Tire Tread Type	4	All Weather	more
V706 — Right Front Tire Tread Type	4	All Weather	more
V707 — Right Rear Tire Tread Type	4	All Weather	more
V708 — Left Rear Tire Tread Type	4	All Weather	more
V709 — Left Front Carcass Construction	3	Radial	more
V710 — Right Front Carcass Construction	3	Radial	more
V711 — Right Rear Carcass Construction	3	Radial	more
V712 — Left Rear Carcass Construction	3	Radial	more
V717 — Left Front Tire Size	P20575R14	—	—
V718 — Right Front Tire Size	P20575R14	—	—
V719 — Right Rear Tire Size	P20575R14	—	—
V720 — Left Rear Tire Size	P20575R14	—	—

Case Vehicle

Fuel, Tank, Fire

Variable Number and Name	Code Value	Code Description	Other Options
V801 — Propulsive Fuel Type	1	Gasoline	more
V802 — Main Tank Location	322	Within frame/centered laterally - within vertically	more
V803 — Main Filler Cap Location	313	Left of frame laterally - above vertically	more
V804 — Main Tank Material	3	Plastic	more
V805 — Aux Tank Type	8	Not applicable (not equipped)	more
V806 — Aux Tank Location	888	Not applicable (not equipped)	more
V807 — Aux Filler Cap Location	888	Not applicable (not equipped)	more
V808 — Aux Tank Material	8	Not applicable	more
V901 — Fuel Leakage From Crash	0	No	more
V1001 — Fire In Or On Case Vehicle	0	No	more

Case Vehicle

Exterior

Variable Number and Name	Code Value	Code Description	Other Options
V1101 — Hood Latch Released	0	No	more
V1102 — Hood Latch Damaged	1	Yes	more
V1103 — Hood Latch Jammed	1	Yes	more
V1104 — Left Hood Hinge Damaged	1	Yes	more
V1105 — Left Hood Hinge Separated	0	No	more
V1106 — Right Hood Hinge Damaged	1	Yes	more
V1107 — Right Hood Hinge Separated	0	No	more
V1108 — Hood Remained On Vehicle	1	Yes	more
V1109 — Rear Hood Edge Elevated	1	Yes	more
V1110 — Edge Contacted Windshield	0	No	more
V1111 — Edge Penetrated Windshield	8	Not applicable	more
V1112 — Hood Latch Location	1	Front of Vehicle	more
V1113 — Eng/Transmissn Mount Separation	0	No	more
V1114 — Steerng Column Flex Coupling	9	Unknown if equipped	more
V1115 — Steerng Column Coupling Damaged	9	Unknown	more
V1116 — Steerng Column Coupling Separated	9	Unknown	more
V1117 — Eng Comp Telescopng Unit	88	Not collected	more
V1118 — Comp Orig/Telescopd Diff	888	Not collected	more
V1119 — Left Side Body Mount Separation	8	Not applicable (unitized)	more
V1120 — Upper Left A-pillar Separation	4	No separation, but damaged	more
V1121 — Lower Left A-pillar Separation	4	No separation, but damaged	more
V1122 — Upper Left B-pillar Separation	0	No	more

V1123 — Lower Left B-pillar Separation	4	No separation, but damaged	more
V1124 — Upper Left C-pillar Separation	0	No	more
V1125 — Lower Left C-pillar Separation	8	Not applicable (not equipped)	more
V1126 — Upper Left D-pillar Separation	0	No	more
V1127 — Lower Left D-pillar Separation	0	No	more
V1128 — Left Front Door Opening Cause	0	Door did not open	more
V1129 — Left Rear Door Opening Cause	8	Not applicable (no left rear door)	more
V1130 — Left Front Door Jammed Closed	1	Yes	more
V1131 — Left Rear Door Jammed Closed	8	Not applicable (no left rear door)	more
V1132 — Rear Door Type	1	Hatchback	more
V1133 — Rear Door Opening Cause	0	Door did not open	more
V1134 — Rear Door Jammed Closed	0	No	more
V1135 — Luggage Partition Damagd	8	Not applicable	more
V1136 — Spare Tire Status	8	Not collected	more
V1137 — Trailer Hitch Type	0	No hitch	more
V1138 — Trailer Type	0	No trailer	more
V1139 — Right Side Body Mount Separation	8	Not applicable (unitized)	more
V1140 — Upper Right A-pillar Separation	0	No	more
V1141 — Lower Right A-pillar Separation	0	No	more
V1142 — Upper Right B-pillar Separation	0	No	more
V1143 — Lower Right B-pillar Separation	0	No	more
V1144 — Upper Right C-pillar Separation	0	No	more
V1145 — Lower Right C-pillar Separation	0	No	more
V1146 — Upper Right D-pillar Separation	0	No	more
V1147 — Lower Right D-pillar Separation	0	No	more
V1148 — Right Front Door Opening Cause	00	Door did not open	more
V1149 — Right Rear Door Opening Cause	00	Door did not open	more

V1150 — Right Front Door Jammed Closed	0	No	more
V1151 — Right Rear Door Jammed Closed	0	No	more
V1152 — Van Rear Door Type	1	Track (sliding)-right side	more
V1153 — Windshield Cracked		Yes	more
V1154 — Windshield Broken	0	No	more
V1155 — Windshield Cracked or Broken by Occupant	0	No	more
V1156 — Bond Separation Extent	1	1 - 20%	more
V1157 — Windshield Code		—	—
V1158 — Did Sun/T Roof Open	8	Not Applicable	more

Case Vehicle

Steering

Column/Rim

Variable Number and Name	Code Value	Code Description	Other Options
V1201 — Steering Wheel Rim Damage	2	Severely bent	more
V1202 — Number of Steering Wheel Spokes	3	3 spokes	more
V1203 — Steering Wheel Spoke Damage	1	Deformed slightly	more
V1204 — Column Tilt Feature	0	Not equipped	more
V1205 — Column Swing-away Feature	0	Not equipped	more
V1206 — Column Telescoping Feature	0	Not equipped	more
V1207 — Wheel Energy Absorb Device	8	Not collected	more
V1208 — Wheel Ea Orig/Damaged Diff	888	Not collected	more
V1209 — Column Energy Absorb Device	88	Not collected	more
V1210 — Column Ea Orig/Comprss Diff	888	Not collected	more
V1211 — Shear Capsule Separation	888	Not collected	more
V1212 — Column Vertical Rotation	0	No apparent rotation	more
V1213 — Column Lateral Rotation	2	Right apparent rotation	more
V1214 — Steering Wheel Hub Damage	0	None	more

Case Vehicle

Intrusion

Variable Number and Name	Code Value	Code Description	Other Options
V1301 — Occupant Compartment Intrusion	1	Yes	more
V1302 — Was Intrusion Catastrophic	0	No	more
V1303 — Intrusion Number 01	01	Intrusion #1	more
V1304 — Intrusion 01 Occupant Space Number	11	First row, Left seat	more
V1305 — Intrusion 01 Intruding Object	03	Toe pan	more
V1306 — Intrusion 01 Assoc Event Number	1	Event #1	more
V1307 — Intrusion 01 Max Intrusion X-axis	21 cm	—	—
V1308 — Intrusion 01 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1309 — Intrusion 01 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1310 — Intrusion 01 Occupant Number	01	Occupant number 1, contact	more
V1311 — Intrusion 01 Injury Number	01	Injury #1	more
V1312 — Intrusion 01 Occupant Number	01	Occupant number 1, contact	more
V1313 — Intrusion 01 Injury Number	02	Injury #2	more
V1314 — Intrusion Number 02	02	Intrusion #2	more
V1315 — Intrusion 02 Occupant Space Number	11	First row, Left seat	more
V1316 — Intrusion 02 Intruding Object	08	A-pillar	more
V1317 — Intrusion 02 Assoc Event Number	1	Event #1	more
V1318 — Intrusion 02 Max Intrusion X-axis	17 cm	—	—
V1319 — Intrusion 02 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1320 — Intrusion 02 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1321 — Intrusion 02 Occupant Number	00	No contact or no intrusion	more
V1322 — Intrusion 02 Injury Number	00	No injury or no	more

		intrusion	
V1323 — Intrusion 02 Occupant Number	00	No contact or no intrusion	more
V1324 — Intrusion 02 Injury Number	00	No injury or no intrusion	more
V1325 — Intrusion Number 03	03	Intrusion #3	more
V1326 — Intrusion 03 Occupant Space Number	11	First row, Left seat	more
V1327 — Intrusion 03 Intruding Object	01	Instrument panel	more
V1328 — Intrusion 03 Assoc Event Number	1	Event #1	more
V1329 — Intrusion 03 Max Intrusion X-axis	15 cm	—	—
V1330 — Intrusion 03 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1331 — Intrusion 03 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1332 — Intrusion 03 Occupant Number	00	No contact or no intrusion	more
V1333 — Intrusion 03 Injury Number	00	No injury or no intrusion	more
V1334 — Intrusion 03 Occupant Number	00	No contact or no intrusion	more
V1335 — Intrusion 03 Injury Number	00	No injury or no intrusion	more
V1336 — Intrusion Number 04	04	Intrusion #4	more
V1337 — Intrusion 04 Occupant Space Number	21	Second row, Left seat	more
V1338 — Intrusion 04 Intruding Object	09	Door panel or side panel	more
V1339 — Intrusion 04 Assoc Event Number	1	Event #1	more
V1340 — Intrusion 04 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1341 — Intrusion 04 Max Intrusion Y-axis	14 cm	—	—
V1342 — Intrusion 04 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1343 — Intrusion 04 Occupant Number	01	Occupant number 1, contact	more
V1344 — Intrusion 04 Injury Number	04	Injury #4	more
V1345 — Intrusion 04 Occupant Number	00	No contact or no intrusion	more

V1346 — Intrusion 04 Injury Number	00	No injury or no intrusion	more
V1347 — Intrusion Number 05	00	No Intrusion, None	more
V1348 — Intrusion 05 Occupant Space Number	00	No Intrusion, None	more
V1349 — Intrusion 05 Intruding Object	00	No Intrusion, None	more
V1350 — Intrusion 05 Assoc Event Number	0	No Intrusion, None	more
V1351 — Intrusion 05 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1352 — Intrusion 05 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1353 — Intrusion 05 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1354 — Intrusion 05 Occupant Number	00	No contact or no intrusion	more
V1355 — Intrusion 05 Injury Number	00	No injury or no intrusion	more
V1356 — Intrusion 05 Occupant Number	00	No contact or no intrusion	more
V1357 — Intrusion 05 Injury Number	99	Contact, injury unknown or data not collected	more
V1358 — Intrusion Number 06	00	No Intrusion, None	more
V1359 — Intrusion 06 Occupant Space Number	00	No Intrusion, None	more
V1360 — Intrusion 06 Intruding Object	00	No Intrusion, None	more
V1361 — Intrusion 06 Assoc Event Number	0	No Intrusion, None	more
V1362 — Intrusion 06 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1363 — Intrusion 06 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1364 — Intrusion 06 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1365 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1366 — Intrusion 06 Injury Number	00	No injury or no intrusion	more
V1367 — Intrusion 06 Occupant Number	00	No contact or no intrusion	more
V1368 — Intrusion 06 Injury Number	99	Contact, injury unknown or data not collected	more

V1369 — Intrusion Number 07	00	No Intrusion, None	more
V1370 — Intrusion 07 Occupant Space Number	00	No Intrusion, None	more
V1371 — Intrusion 07 Intruding Object	00	No Intrusion, None	more
V1372 — Intrusion 07 Assoc Event Number	0	No Intrusion, None	more
V1373 — Intrusion 07 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1374 — Intrusion 07 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1375 — Intrusion 07 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1376 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more
V1377 — Intrusion 07 Injury Number	00	No injury or no intrusion	more
V1378 — Intrusion 07 Occupant Number	00	No contact or no intrusion	more
V1379 — Intrusion 07 Injury Number	99	Contact, injury unknown or data not collected	more
V1380 — Intrusion Number 08	00	No Intrusion, None	more
V1381 — Intrusion 08 Occupant Space Number	00	No Intrusion, None	more
V1382 — Intrusion 08 Intruding Object	00	No Intrusion, None	more
V1383 — Intrusion 08 Assoc Event Number	0	No Intrusion, None	more
V1384 — Intrusion 08 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1385 — Intrusion 08 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1386 — Intrusion 08 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1387 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1388 — Intrusion 08 Injury Number	00	No injury or no intrusion	more
V1389 — Intrusion 08 Occupant Number	00	No contact or no intrusion	more
V1390 — Intrusion 08 Injury Number	99	Contact, injury unknown or data not collected	more
V1391 — Intrusion Number 09	00	No Intrusion, None	more

V1392 — Intrusion 09 Occupant Space Number	00	No Intrusion, None	more
V1393 — Intrusion 09 Intruding Object	00	No Intrusion, None	more
V1394 — Intrusion 09 Assoc Event Number	0	No Intrusion, None	more
V1395 — Intrusion 09 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1396 — Intrusion 09 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1397 — Intrusion 09 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1398 — Intrusion 09 Occupant Number	00	No contact or no intrusion	more
V1399 — Intrusion 09 Injury Number	00	No injury or no intrusion	more
V1400 — Intrusion 09 Occupant Number	00	No contact or no intrusion	more
V1401 — Intrusion 09 Injury Number	99	Contact, injury unknown or data not collected	more
V1402 — Intrusion Number 10	00	No Intrusion, None	more
V1403 — Intrusion 10 Occupant Space Number	00	No Intrusion, None	more
V1404 — Intrusion 10 Intruding Object	00	No Intrusion, None	more
V1405 — Intrusion 10 Assoc Event Number	0	No Intrusion, None	more
V1406 — Intrusion 10 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	more
V1407 — Intrusion 10 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	more
V1408 — Intrusion 10 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	more
V1409 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1410 — Intrusion 10 Injury Number	00	No injury or no intrusion	more
V1411 — Intrusion 10 Occupant Number	00	No contact or no intrusion	more
V1412 — Intrusion 10 Injury Number	99	Contact, injury unknown or data not collected	more
V1413 — Door Intrusion Number 01	88	Not Applicable	more
V1414 — Door Intrusion Number 01 Cause	8	Not applicable	more

V1415 — Door Intrusion Number 02	88	Not Applicable	more
V1416 — Door Intrusion Number 02 Cause	8	Not applicable	more
V1417 — Door Intrusion Number 03	88	Not Applicable	more
V1418 — Door Intrusion Number 03 Cause	8	Not applicable	more
V1419 — Door Intrusion 01 Component	88	Not Applicable	more
V1420 — Door Intrusion 01 Component Damaged 1	8	Not Applicable	more
V1421 — Door Intrusion 01 Component Damaged 2	8	Not Applicable	more
V1422 — Door Intrusion 02 Component	88	Not Applicable	more
V1423 — Door Intrusion 02 Component Damaged 1	8	Not Applicable	more
V1424 — Door Intrusion 02 Component Damaged 2	8	Not Applicable	more
V1425 — Door Intrusion 03 Component	88	Not Applicable	more
V1426 — Door Intrusion 03 Component Damaged 1	8	Not Applicable	more
V1427 — Door Intrusion 03 Component Damaged 2	8	Not Applicable	more
V1428 — Door Intrusion 04 Component	88	Not Applicable	more
V1429 — Door Intrusion 04 Component Damaged 1	8	Not Applicable	more
V1430 — Door Intrusion 04 Component Damaged 2	8	Not Applicable	more

Case Vehicle

Airbag(s)

Variable Number and Name	Code Value	Code Description	Other Options
V1501 — Driver Airbag Equipped	1	Yes	more
V1502 — Driver Airbag Deployed	1	Yes	more
V1503 — Driver Airbag Condition	0	No Damage	more
V1504 — Passenger Airbag Equip	1	Yes	more
V1505 — Passenger Airbag Deployed	1	Yes	more
V1506 — Passenger Airbag Condition	0	No Damage	more
V1507 — Steering Wheel Airbag Tether	1	Yes	more
V1508 — Driver Airbag Marked By Contact	0	No	more
V1509 — Passenger Airbag Tether	1	Yes	more
V1510 — Passenger Airbag Marked By Contact	0	No	more

Case Vehicle

Interior

Variable Number and Name	Code Value	Code Description	Other Options
V1601 — Left Front Door Damaged	1	Yes	more
V1602 — Right Front Door Damaged	0	No	more
V1603 — Left Front Hardware Damaged	0	No	more
V1604 — Right Front Hardware Damaged	0	No	more
V1605 — Left Front Armrest Damaged	0	No	more
V1606 — Right Front Armrest Damaged	0	No	more
V1607 — Left Front Glass Damaged	1	Yes	more
V1608 — Right Front Glass Damaged	0	No	more
V1609 — Left Rear Door Area Damaged	1	Yes	more
V1610 — Right Rear Door Area Damaged	0	No	more
V1611 — Left Rear Hardware Damaged	8	Not applicable	more
V1612 — Right Rear Hardware Damaged	0	No	more
V1613 — Left Rear Armrest Damaged	1	Yes	more
V1614 — Right Rear Armrest Damaged	0	No	more
V1615 — Left Rear Glass Damaged	1	Yes	more
V1616 — Right Rear Glass Damaged	0	No	more
V1617 — Left Roof Side Rail Damaged	0	No	more
V1618 — Right Roof Side Rail Damaged	0	No	more
V1619 — Left B-pillar Damaged	0	No	more
V1620 — Right B-pillar Damaged	0	No	more
V1621 — Left C-pillar Damaged	0	No	more
V1622 — Right C-pillar Damaged	8	Not applicable	more
V1623 — Left D-pillar Damaged	0	No	more
V1624 — Right D-pillar Damaged	0	No	more

V1625 — Left Headlining Damaged	0	No	more
V1626 — Right Headlining Damaged	0	No	more
V1627 — Left Roof Structure Damaged	0	No	more
V1628 — Right Roof Structure Damaged	0	No	more
V1629 — Left T/Sun Roof Damaged	8	Not applicable	more
V1630 — Right T/Sun Roof Damaged	8	Not applicable	more
V1631 — Other Left Side Item Damagd	8	Not applicable	more
V1632 — Other Right Side Item Damagd	8	Not applicable	more
V1633 — Foot Controls Damaged	1	Yes	more
V1634 — Ignition Key Damaged	0	No	more
V1635 — Rear View Mirror Damaged	0	No	more
V1636 — Sunvisor/Fitting Damaged	0	No	more
V1637 — Windshield Molding Damaged	0	No	more
V1638 — Left A-pillar Damaged	1	Yes	more
V1639 — Right A-pillar Damaged	0	No	more
V1640 — Center Console Damaged	8	Not applicable	more
V1641 — Transmission Lever Damaged	0	No	more
V1642 — Horn/Spoke Shroud Damagd	4	Yes, occupant contact	more
V1643 — Upper Panel Damaged	1	Yes	more
V1644 — Mid Panel Damaged	1	Yes	more
V1645 — Lower Panel Damaged	4	Yes, occupant contact	more
V1646 — Ashtray Damaged	0	No	more
V1647 — Control Knob/Lever Damaged	0	No	more
V1648 — Glove Compartment Area Damaged	4	Yes, occupant contact	more
V1649 — Instruments Damaged	0	No	more
V1650 — Park Brake Release Damaged	0	No	more
V1651 — Park Brake Pedal Damaged	0	No	more
V1652 — A/C Or Upper Vent Damaged	0	No	more

V1653 — Heater Or A/C Duct Damaged	1	Yes	more
V1654 — Radio Damaged	0	No	more
V1655 — Other Item Damaged	8	Not applicable	more
V1656 — Rear Window Damaged	0	No	more
V1657 — Rear Window Header Damaged	0	No	more
V1658 — Vertical Console Damaged	4	Yes, occupant contact	more
V1659 — Roof Console Damaged	0	No	more

Case Vehicle

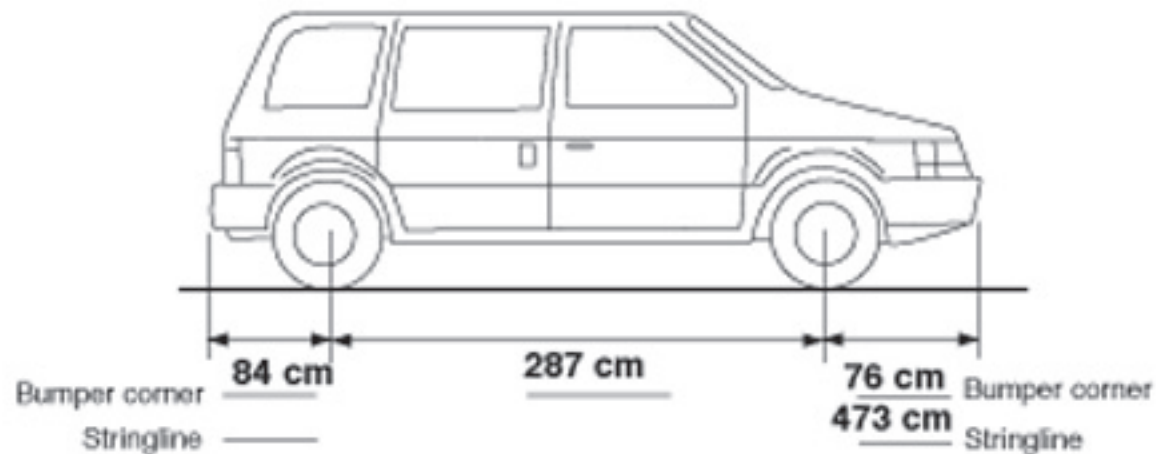
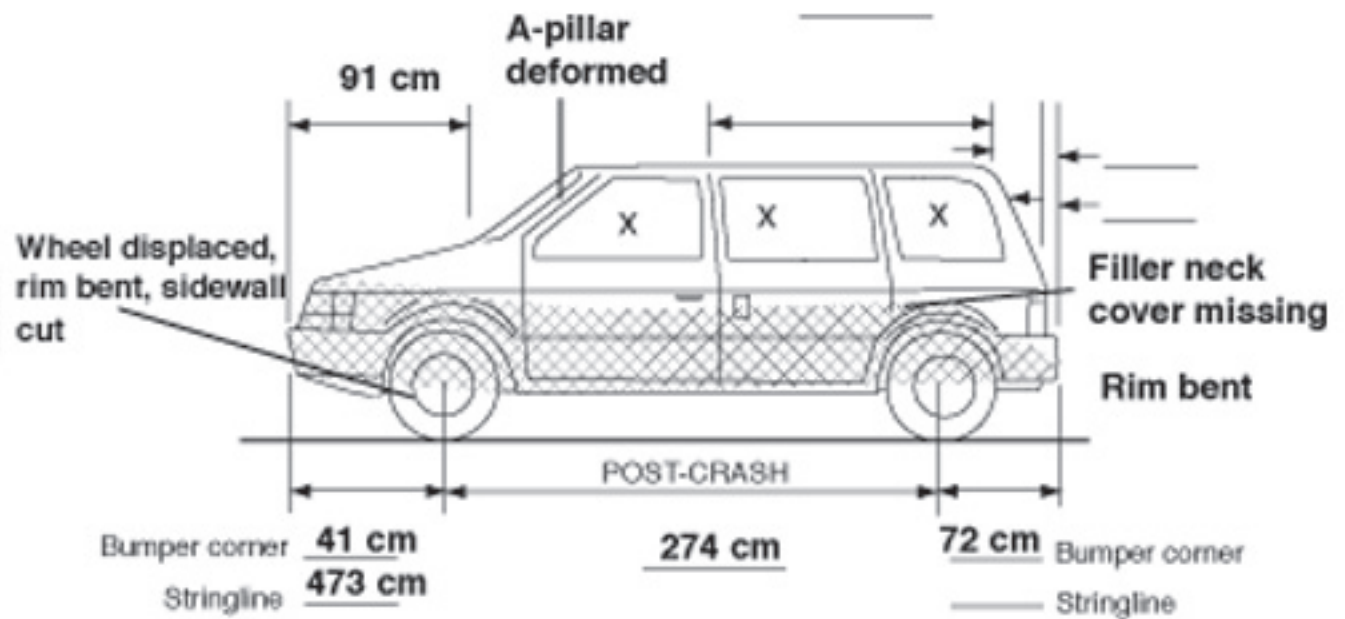
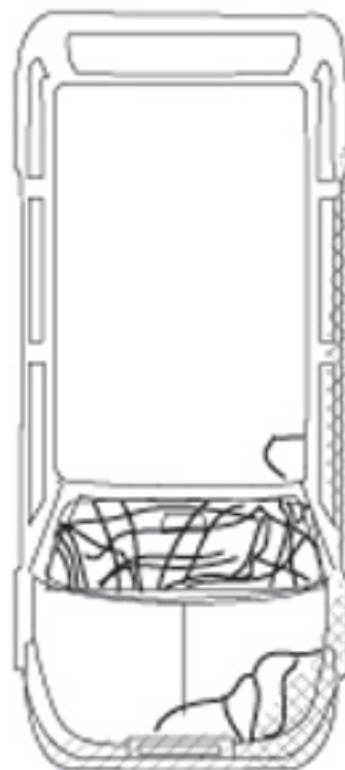
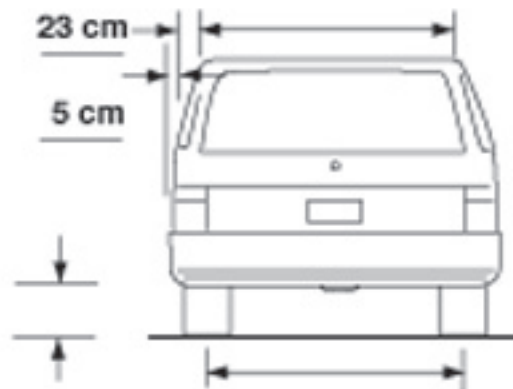
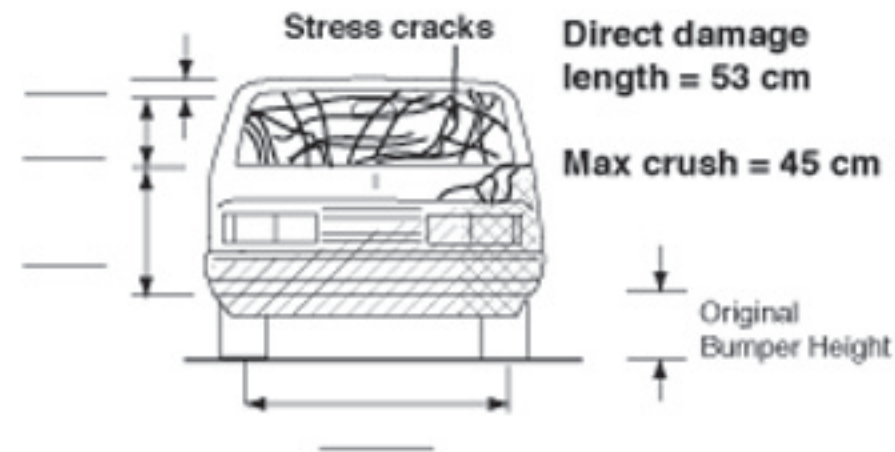
Seats

Variable Number and Name	Code Value	Code Description	Other Options
V1701 — Driver Front Seat Type	05	Bucket	more
V1702 — Passenger Front Seat Type	05	Bucket	more
V1703 — Driver Seat Mount Type	1	Standard	more
V1704 — Passenger Seat Mount Type	1	Standard	more
V1705 — Driver Swivel Mechanism Equipped	0	No	more
V1706 — Passenger Swivel Mechanism Equipped	0	No	more
V1707 — Driver Seat Original Equipment	1	Yes	more
V1708 — Passenger Seat Original Equipment	1	Yes	more
V1709 — Driver Seat/Rear Occupant Contact	0	No	more
V1710 — Passenger Seat/Rear Occupant Contact	0	No	more
V1711 — Driver Seat Damage	0	None	more
V1712 — Passenger Seat Damage	0	None	more
V1713 — Center Front Armrest Damaged	8	Not applicable (no center armrest)	more
V1714 — Driver Seat Rotation	0	None apparent	more
V1715 — Passenger Seat Rotation	0	None apparent	more
V1716 — Driver Seat-back Type	3	Reclining	more
V1717 — Passenger Seat-back Type	3	Reclining	more
V1718 — Driver Seat-back Lock Type	1	Manual	more
V1719 — Passenger Seat-back Lock Type	1	Manual	more
V1720 — Driver Seat-back Lock Held	1	Yes	more
V1721 — Passenger Seat-back Lock Held	1	Yes	more
V1722 — Driver Recliner Mechanism Held	1	Yes	more
V1723 — Passenger Recliner Mechanism Held	1	Yes	more

V1724 — Driver Head Restraint Type	2	Integral	more
V1725 — Passenger Head Restraint Type	2	Integral	more
V1726 — Driver Head Rest Removed	8	Not applicable	more
V1727 — Passenger Head Rest Removed	8	Not applicable	more
V1728 — Driver Head Rest Adjustment	8	Not applicable	more
V1729 — Passenger Head Rest Adjustment	8	Not applicable	more
V1730 — Driver Head Rest Damage	0	None	more
V1731 — Passenger Head Rest Damage	0	None	more
V1732 — Driver Seat Adjustment Type	1	Manual	more
V1733 — Passenger Seat Adjustment Type	1	Manual	more
V1734 — Driver Seat Adjustment Provided	2	4-way	more
V1735 — Passenger Seat Adjustment Provided	2	4-way	more
V1736 — Driver Seat Adjuster Damage	2	Deformed (released/jammed)	more
V1737 — Passenger Seat Adjuster Damage	0	None	more
V1738 — Driver Seat Adjuster Separation	0	None	more
V1739 — Passenger Seat Adjuster Separation	8	Not applicable	more
V1740 — Driver Seat Pre-crash Position	2	Middle	more
V1741 — Passenger Seat Pre-crash Position	2	Middle	more
V1742 — Left Rear Seat Type	2	Folding	more
V1743 — Right Rear Seat Type	2	Folding	more
V1744 — Left Rear Seat Damaged	1	Backrest only (damaged or loosened)	more
V1745 — Right Rear Seat Damaged	1	Backrest only (damaged or loosened)	more
V1746 — Center Rear Armrest Damaged	8	Not applicable (No Center Armrest)	more
V1747 — Left Rear Seat-back Left Lock Equipped	0	No	more
V1748 — Right Rear Seat-back Left Lock Equipped	0	No	more
V1749 — Left Rear Seat-back Left Lock Held	8	Not applicable	more

V1750 — Right Rear Seat-back Left Lock Held	8	Not applicable	more
V1751 — Left Rear Seat-back Right Lock Equipped	0	No	more
V1752 — Right Rear Seat-back Right Lock Equipped	1	Yes	more
V1753 — Left Rear Seat-back Right Lock Held	8	Not applicable	more
V1754 — Right Rear Seat-back Right Lock Held	1	Yes	more
V1755 — Left 3rd Seat Equipped	1	Yes	more
V1756 — Right 3rd Seat Equipped	1	Yes	more
V1757 — Left 3rd Seat Backrest Damaged	0	No	more
V1758 — Right 3rd Seat Backrest Damaged	0	No	more
V1759 — Left 3rd Seat Cushion Damaged	0	No	more
V1760 — Right 3rd Seat Cushion Damaged	0	No	more
V1761 — Rear Head Restraints	1	Equipped	more

MEASUREMENTS IN CENTIMETERS



WINDSHIELD MARK ON CASE VEHICLE:

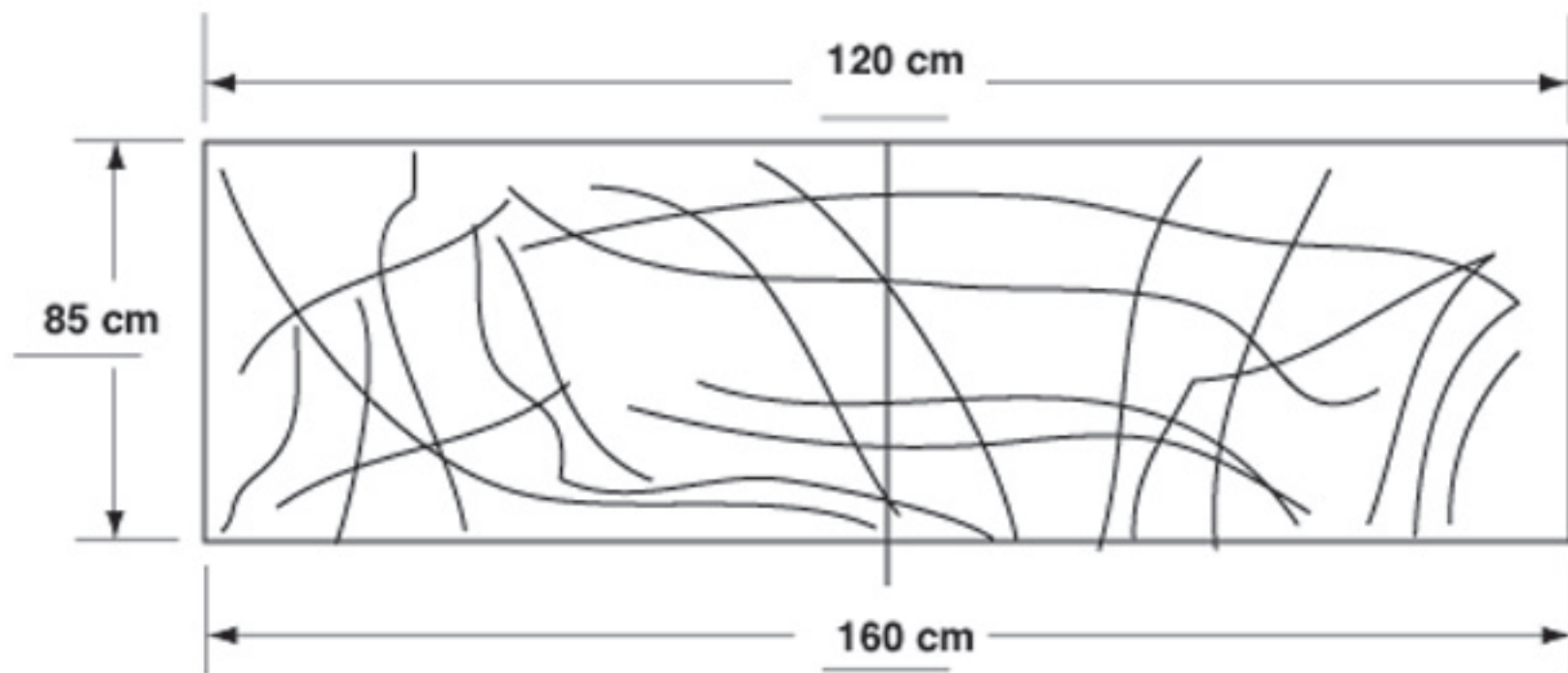
S M- DOT AS-1

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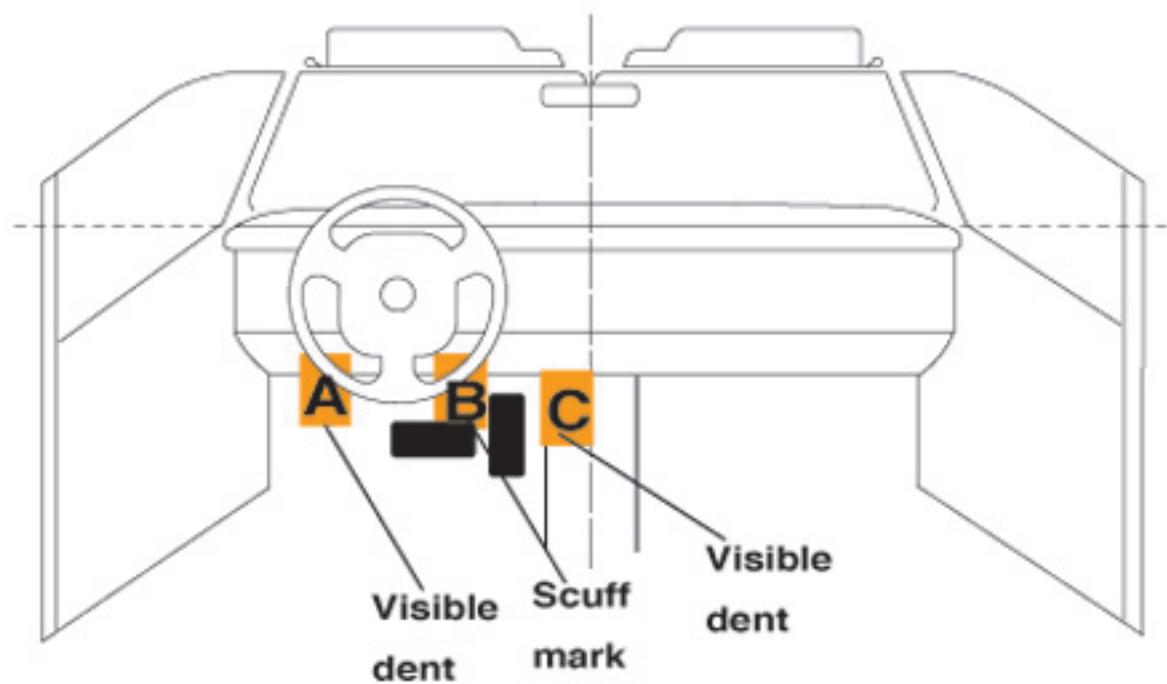
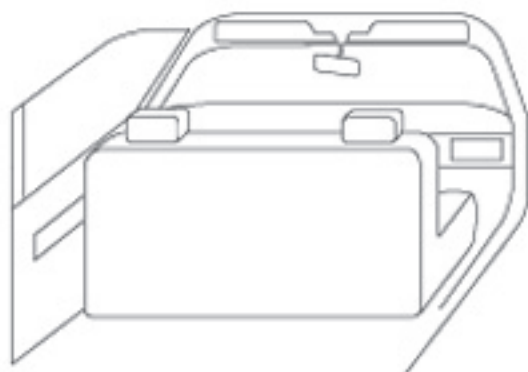
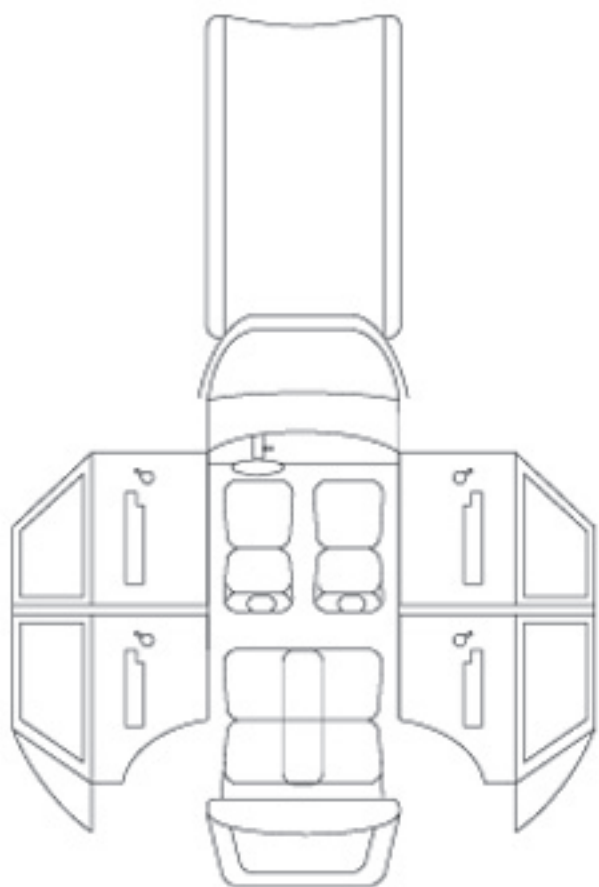
1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

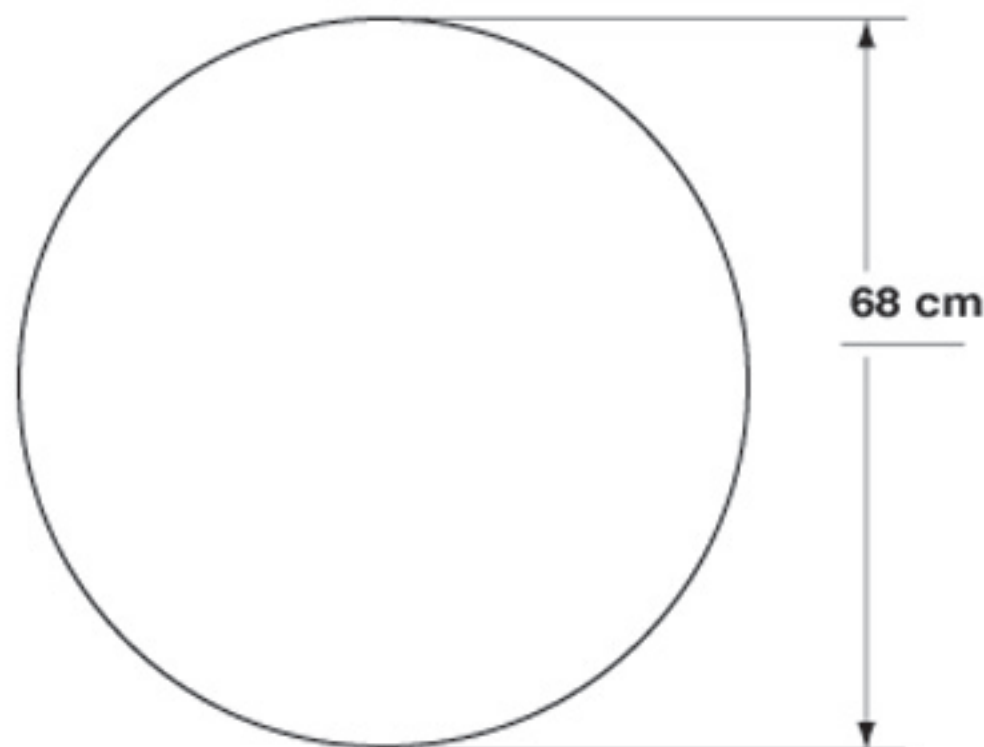
Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)				Dominant Crush Direction
		Comparison Value	–	Intruded Value	= Intrusion	
11	Toe pan below L knee strike	118	–	97	= 21	rearward
11	Instrument panel	76	–	61	= 15	rearward
11	Upper A-pillar @ base	90	–	73	= 17	rearward
21	Side panel	78	–	62	= 14	right
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	
			–		=	

OCCUPANT CONTACT WORKSHEET

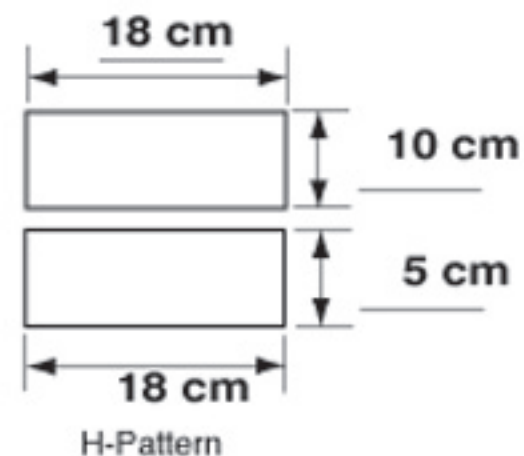
Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Knee bolster L of column	1	Knee	Visible dent	1
B	Knee bolster R of column	1	Knee	Scuff mark	1
C	Vertical console	2	Knee	Visible dent	1
D					
E					
F					
G					
H					



Driver Airbag



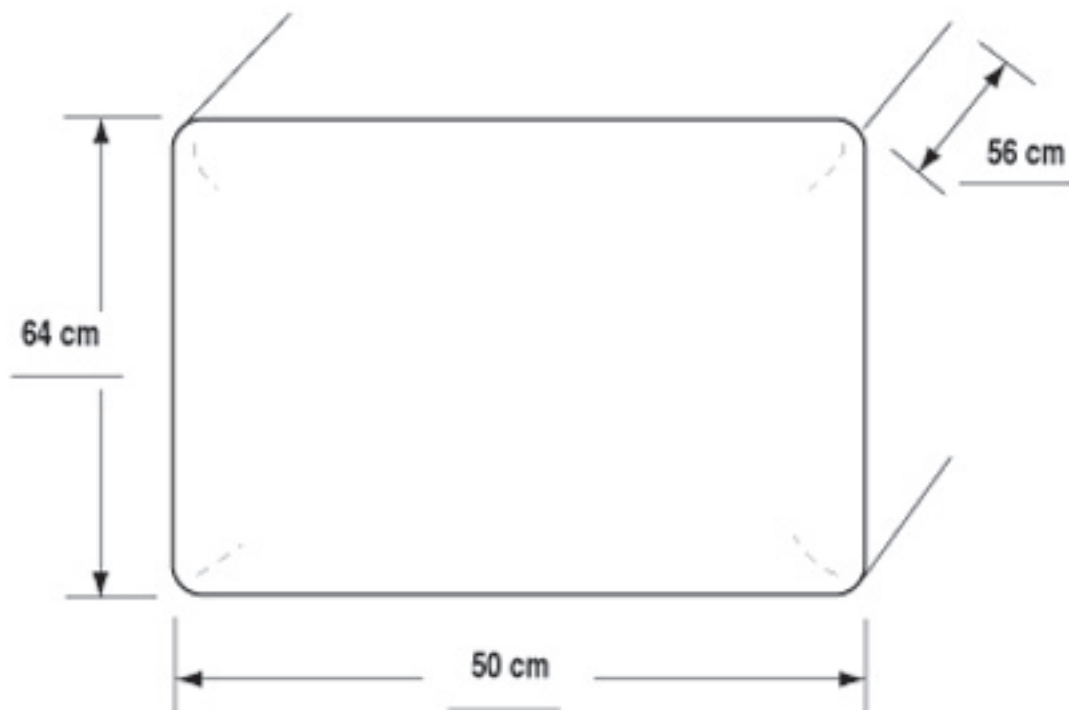
Driver Airbag Doors



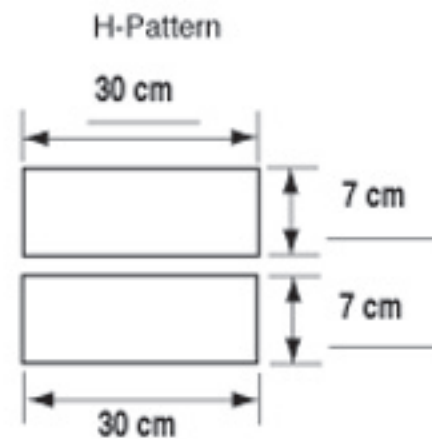
Vents: Y ☒ N
if yes, how many: _____

Tethers: ☒ Y N
if yes, how many: 2 _____

Passenger Airbag



Passenger Airbag Doors



Vents: Y ☒ N
if yes, how many: _____

Tethers: ☒ Y N
if yes, how many: 2

Case # 242: Occupant # 1; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	more
V2102 — 1st Prob Contact Area	40	Floor	more
V2103 — 2nd Prob Contact Area	28	Foot controls (including parking brake pedal)	more
V2104 — Primary OIC -body Region	12	Leg (lower)	more
V2105 — Primary OIC -aspect	18	Right	more
V2106 — Primary OIC -lesion	06	Fracture	more
V2107 — Primary OIC -system/Organ	19	Skeletal	more
V2108 — Primary OIC -severity	3	Serious	more
V2109 — Primary OIC	LRFS3	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 1; Injury # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	02	Injury #2	more
V2102 — 1st Prob Contact Area	40	Floor	more
V2103 — 2nd Prob Contact Area	28	Foot controls (including parking brake pedal)	more
V2104 — Primary OIC -body Region	12	Leg (lower)	more
V2105 — Primary OIC -aspect	18	Right	more
V2106 — Primary OIC -lesion	06	Fracture	more
V2107 — Primary OIC -system/Organ	19	Skeletal	more
V2108 — Primary OIC -severity	2	Moderate	more
V2109 — Primary OIC	LRFS2	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 1; Injury # 3

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	03	Injury #3	more
V2102 — 1st Prob Contact Area	34	Restraint system webbing	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	03	Chest	more
V2105 — Primary OIC -aspect	12	Left	more
V2106 — Primary OIC -lesion	03	Contusion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	CLCI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 1; Injury # 4

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	04	Injury #4	more
V2102 — 1st Prob Contact Area	20	Surface of side interior	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	05	Elbow	more
V2105 — Primary OIC -aspect	12	Left	more
V2106 — Primary OIC -lesion	03	Contusion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	ELCI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 1; Injury # 5

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	05	Injury #5	more
V2102 — 1st Prob Contact Area	52	Internal flying glass (from any source)	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	12	Leg (lower)	more
V2105 — Primary OIC -aspect	12	Left	more
V2106 — Primary OIC -lesion	12	Laceration	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	LLLLI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	01	Occupant #1	more
V2002 — Occupant Role At 1st Impact	1	Motor vehicle driver	more
V2003 — Occupant Position -row	1	1st row	more
V2004 — Occupant Position -lateral	1	Left	more
V2005 — Occupant Position -posture	10	Sitting on seat	more
V2006 — Occupant Age In Years	29	—	—
V2007 — Occupant Age In Months	25	25 months or older	more
V2008 — Occupant Mass	068 kg	—	—
V2009 — Occupant Height	183 cm	—	—
V2010 — Occupant Sex	1	Male	more
V2011 — Occupant Treatment/Mortality	04	Hospitalized over 24 hrs or for significant treatment	more
V2012 — Injury Severity Score	10	ISS 10	more
V2013 — Non-impact Med Condition	0	None	more
V2014 — Police Injury Severity	3	A - Incapacitating Injury	more
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	more
V2016 — Active Restraint Usage	3	Both lap belt and shoulder harness	more
V2017 — Passive Restraint System	1	Air bag installed	more
V2018 — Passive Restraint Usage	2	Air bag deployed	more
V2019 — Child Seat Type	88	Not applicable (adult or older child)	more
V2020 — Occupant Ejection Degree	0	None	more
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	more

V2022 — Highest OIC Severity	3	Serious	more
V2023 — Head Restraint Available	1	Equipped	more
V2024 — Occupant Eyewear	0	None	more
V2025 — Source of Occupant Info	7	Combination of above	more

Case # 242: Occupant # 2; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	more
V2102 — 1st Prob Contact Area	98	Impact force, "whiplash", hyperextension/ compression	more
V2103 — 2nd Prob Contact Area	87	Air cushion skin "airbag"	more
V2104 — Primary OIC -body Region	08	Head/skull	more
V2105 — Primary OIC -aspect	23	Whole region	more
V2106 — Primary OIC -lesion	11	Concussion	more
V2107 — Primary OIC -system/Organ	02	Brain	more
V2108 — Primary OIC -severity	2	Moderate	more
V2109 — Primary OIC	HWKB2	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 2; Injury # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	02	Injury #2	more
V2102 — 1st Prob Contact Area	02	Glove compartment area	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	11	Knee	more
V2105 — Primary OIC -aspect	12	Left	more
V2106 — Primary OIC -lesion	03	Contusion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	KLCI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 2; Injury # 3

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	03	Injury #3	more
V2102 — 1st Prob Contact Area	02	Glove compartment area	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	11	Knee	more
V2105 — Primary OIC -aspect	18	Right	more
V2106 — Primary OIC -lesion	03	Contusion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	KRCI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 2; Injury # 4

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	04	Injury #4	more
V2102 — 1st Prob Contact Area	02	Glove compartment area	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	11	Knee	more
V2105 — Primary OIC -aspect	12	Left	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	KLAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 2; Injury # 5

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	05	Injury #5	more
V2102 — 1st Prob Contact Area	02	Glove compartment area	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	11	Knee	more
V2105 — Primary OIC -aspect	18	Right	more
V2106 — Primary OIC -lesion	01	Abrasion	more
V2107 — Primary OIC -system/Organ	09	Integumentary	more
V2108 — Primary OIC -severity	1	Minor	more
V2109 — Primary OIC	KRAI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	02	Occupant #2	more
V2002 — Occupant Role At 1st Impact	2	Motor vehicle passenger	more
V2003 — Occupant Position -row	1	1st row	more
V2004 — Occupant Position -lateral	5	Right	more
V2005 — Occupant Position -posture	10	Sitting on seat	more
V2006 — Occupant Age In Years	32	—	—
V2007 — Occupant Age In Months	25	25 months or older	more
V2008 — Occupant Mass	070 kg	—	—
V2009 — Occupant Height	173 cm	—	—
V2010 — Occupant Sex	2	Female	more
V2011 — Occupant Treatment/Mortality	02	Treated at hospital/clinic but not admitted	more
V2012 — Injury Severity Score	05	ISS 5	more
V2013 — Non-impact Med Condition	0	None	more
V2014 — Police Injury Severity	3	A - Incapacitating Injury	more
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	more
V2016 — Active Restraint Usage	3	Both lap belt and shoulder harness	more
V2017 — Passive Restraint System	1	Air bag installed	more
V2018 — Passive Restraint Usage	2	Air bag deployed	more
V2019 — Child Seat Type	88	Not applicable (adult or older child)	more
V2020 — Occupant Ejection Degree	0	None	more
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	more

V2022 — Highest OIC Severity	2	Moderate	more
V2023 — Head Restraint Available	1	Equipped	more
V2024 — Occupant Eyewear	0	None	more
V2025 — Source of Occupant Info	7	Combination of above	more

Case # 242: Occupant # 3; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	more
V2102 — 1st Prob Contact Area	99	Unknown area of contact	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	21	Unknown	more
V2105 — Primary OIC -aspect	21	Unknown	more
V2106 — Primary OIC -lesion	21	Unknown	more
V2107 — Primary OIC -system/Organ	21	Unknown	more
V2108 — Primary OIC -severity	9	Unknown	more
V2109 — Primary OIC	UUUU9	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 3

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	03	Occupant #3	more
V2002 — Occupant Role At 1st Impact	2	Motor vehicle passenger	more
V2003 — Occupant Position -row	2	2nd row	more
V2004 — Occupant Position -lateral	1	Left	more
V2005 — Occupant Position -posture	60	In child seat	more
V2006 — Occupant Age In Years	03	—	—
V2007 — Occupant Age In Months	25	25 months or older	more
V2008 — Occupant Mass	014 kg	—	—
V2009 — Occupant Height	061 cm	—	—
V2010 — Occupant Sex	2	Female	more
V2011 — Occupant Treatment/Mortality	99	Unknown	more
V2012 — Injury Severity Score	99	Unknown	more
V2013 — Non-impact Med Condition	9	Unknown	more
V2014 — Police Injury Severity	9	Unknown	more
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	more
V2016 — Active Restraint Usage	3	Both lap belt and shoulder harness	more
V2017 — Passive Restraint System	0	None	more
V2018 — Passive Restraint Usage	8	Not applicable (not originally equipped)	more
V2019 — Child Seat Type	01	Yes, used	more
V2020 — Occupant Ejection Degree	0	None	more
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	more

V2022 — Highest OIC Severity	9	Unknown	more
V2023 — Head Restraint Available	1	Equipped	more
V2024 — Occupant Eyewear	0	None	more
V2025 — Source of Occupant Info	0	Interview	more

Case # 242: Occupant # 4; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	more
V2102 — 1st Prob Contact Area	99	Unknown area of contact	more
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	more
V2104 — Primary OIC -body Region	21	Unknown	more
V2105 — Primary OIC -aspect	21	Unknown	more
V2106 — Primary OIC -lesion	21	Unknown	more
V2107 — Primary OIC -system/Organ	21	Unknown	more
V2108 — Primary OIC -severity	9	Unknown	more
V2109 — Primary OIC	UUUU9	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	more
V2111 — Assoc OIC 1 -aspect	99	No injury	more
V2112 — Assoc OIC 1 -lesion	99	No injury	more
V2113 — Assoc OIC 1 -system/Organ	99	No injury	more
V2114 — Assoc OIC 1 -severity	9	Unknown	more
V2115 — Assoc OIC 1	—	—	—

Case # 242: Occupant # 4

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	04	Occupant #4	more
V2002 — Occupant Role At 1st Impact	2	Motor vehicle passenger	more
V2003 — Occupant Position -row	3	3rd row	more
V2004 — Occupant Position -lateral	1	Left	more
V2005 — Occupant Position -posture	10	Sitting on seat	more
V2006 — Occupant Age In Years	09	—	—
V2007 — Occupant Age In Months	25	25 months or older	more
V2008 — Occupant Mass	032 kg	—	—
V2009 — Occupant Height	127 cm	—	—
V2010 — Occupant Sex	2	Female	more
V2011 — Occupant Treatment/Mortality	99	Unknown	more
V2012 — Injury Severity Score	99	Unknown	more
V2013 — Non-impact Med Condition	9	Unknown	more
V2014 — Police Injury Severity	3	A - Incapacitating Injury	more
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	more
V2016 — Active Restraint Usage	0	None (available but not used)	more
V2017 — Passive Restraint System	0	None	more
V2018 — Passive Restraint Usage	8	Not applicable (not originally equipped)	more
V2019 — Child Seat Type	88	Not applicable (adult or older child)	more
V2020 — Occupant Ejection Degree	0	None	more
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	more

V2022 — Highest OIC Severity	9	Unknown	more
V2023 — Head Restraint Available	1	Equipped	more
V2024 — Occupant Eyewear	0	None	more
V2025 — Source of Occupant Info	7	Combination of above	more



















































WARNING
DEATH OR SERIOUS INJURY CAN OCCUR
If you are not wearing your seat belt, you may be killed or seriously injured in a crash. Always wear your seat belt. Please don't drink and drive. For more information, visit www.safercar.gov.



WARNING
DEATH OR SERIOUS INJURY CAN OCCUR
DO NOT REPAIR OR REMOVE

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